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**Figure 1. Generalized Structure of a Potential Catalyst System.**

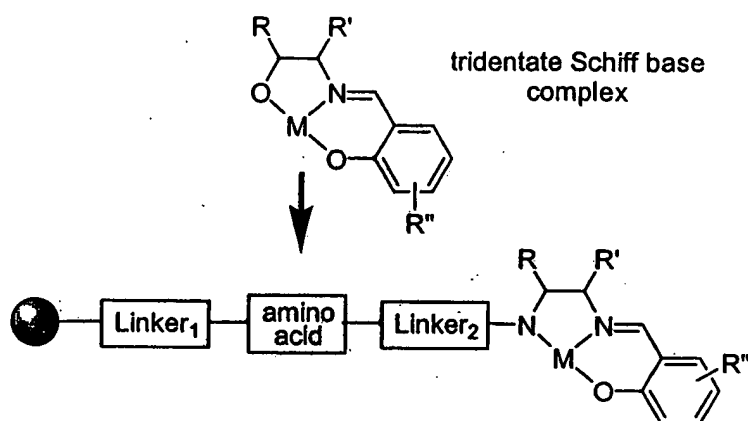
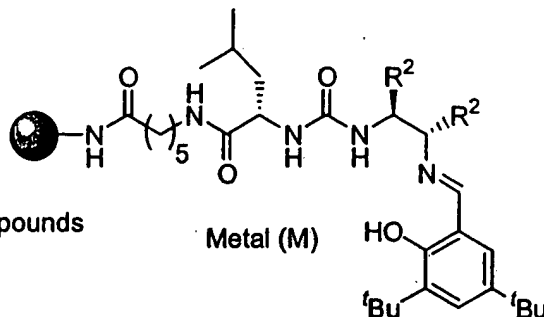


Figure 2. Variegated Libraries 1-3.

### Library 1

Library Size : 12 Compounds

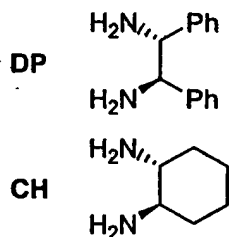


M	None	Ti	Mn	Fe	Ru	Co	Cu	Zn	Gd	Nd	Yb	Eu
ee (%)	19	4	5	10	13	0	9	1	2	3	0	5
conv.(%)	59	30	61	69	63	68	55	91	95	84	94	34

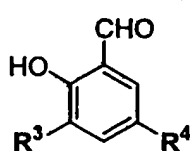
### Library 2

Amino Acid  
Leu, D-Leu, His  
Phg (Phenylglycine)

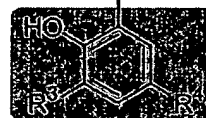
Diamines



Salicylaldehydes

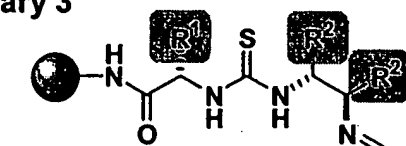


	R <sup>3</sup>	R <sup>4</sup>
A	<sup>t</sup> Bu	<sup>t</sup> Bu
B	<sup>t</sup> Bu	H
C	H	<sup>t</sup> Bu
D	<sup>t</sup> Bu	OMe
E	Br	Br
F	<sup>t</sup> Bu	NO <sub>2</sub>



Library Size: 48 Compounds

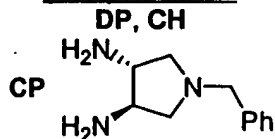
### Library 3



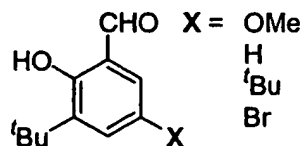
L-Amino Acids

Leu, Ile, Met, Phe,  
Tyr (O<sup>t</sup>Bu), Val, Thr(O<sup>t</sup>Bu),  
Nor (Norleucine), Phg,  
Chg (Cyclohexylglycine),  
*t*-Leu (*tert*-Leucine)

(R,R)-Diamines

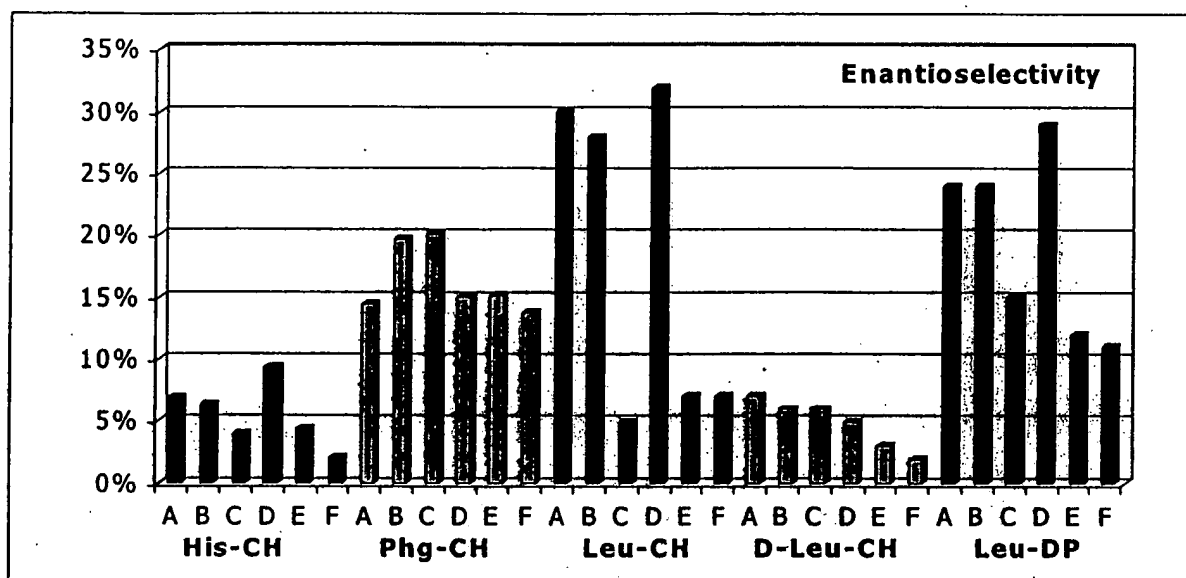


Salicylaldehydes



Library Size: 132 Compounds

**Figure 3.** Enantioselectivity in the Catalyzed Strecker Reaction as a Function of Metal-Free Catalyst Utilized.



**Figure 4.** Enantioselectivities Observed in the Catalyzed Strecker Reaction Utilizing Members of Library 3.

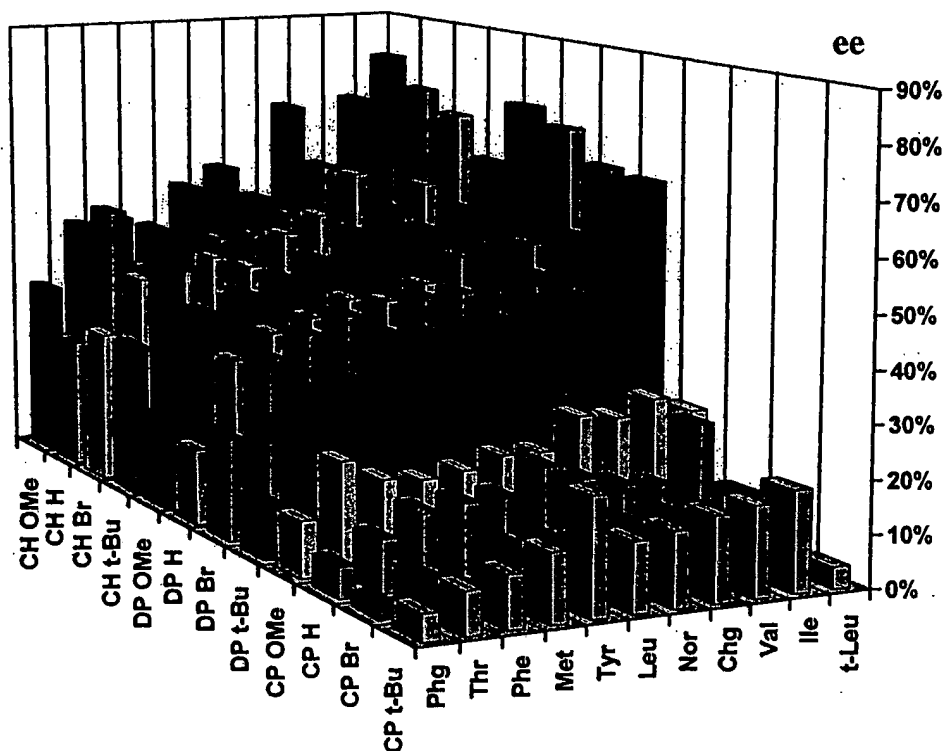


Figure 5

